

EVALUATION FORM FOR INTERSECTION LIGHTING (NEW ROADWAY/ALIGNMENT)								LIGHTING FORM 8	
CLASSIFICATION FACTOR	RATING					UNLIT WEIGHT (A)	LIGHTED WEIGHT (B)	DIFF (A-B)	RATING X(A-B)
	1	2	3	4	5				
GEOMETRIC									
NUMBER OF LEGS	----	3	4	5	≥6 INCL TRAFFIC CIRCLE	3.0	2.5	0.5	
APPROACH LANE WIDTH	>12'	12'	11'	10'	<10'	3.0	2.5	0.5	
CHANNELIZATION	NO TURN LANES	LEFT TURN ON MAJOR LEG	LEFT TURN ALL LEGS-RIGHT TURN ON MAJOR LEGS	LEFT AND RIGHT TURN ON MAJOR LEGS	LEFT AND RIGHT TURN ON ALL LEGS	2.0	1.0	1.0	
CURVATURE ON APPROACH LEGS	<3.0°	3.1-6.0°	6.1-8.0°	8.1-10.0°	>10°	13.0	5.0	8.0	
GRADES ON APPROACH	<3%	3.0-3.9%	4.0-4.9%	5.0-6.9%	>7.0%	3.2	2.8	0.4	
APPROACH SIGHT DISTANCE	>700'	500'-700'	300'-500'	200'-300'	<200'	2.0	1.8	0.2	
PARKING	PROHIBITED BOTH SIDES	LOADING ZONE ONLY	OFF PEAK ONLY	PERMITTED ONE SIDE	PERMITTED BOTH SIDES	0.2	0.1	0.1	
						GEOMETRIC TOTAL			
OPERATIONAL									
TYPE OF CONTROL	ALL PHASES SIGNALIZED (INCL TURN LANE)	LEFT TURN LANE SIGNAL CONTROL	THRU TRAFFIC SIGNAL CONTROL ONLY	4-WAY STOP CONTROL	STOP CONTROL TO MINOR LEG OR NO CONTROL	3.0	2.7	0.3	
CHANNELIZATION	LEFT AND RIGHT SIGNAL CONTROL	LEFT AND RIGHT TURN LANE SIGNAL CONTROL MAJOR LEG	LEFT TURN LANE SIGNAL CONTROL ALL LEGS	LEFT TURN LANE SIGNAL CONTROL MAJOR LEG	NO TURN LANE CONTROL	3.0	2.0	1.0	
LEVEL OF SERVICE (LOAD FACTOR)	A 0	B 0-0.1	C 0.1-0.3	D 0.3-0.7	E 0.7-1.0	1.0	0.2	0.8	
SPEED LIMIT ON APPROACH LEGS	≤25	30	35	40	≥45	1.0	0.2	0.8	
NIGHT PEDESTRIAN TRAFFIC (PEDS/KM)	FEW OR NONE	0-50	50-100	100-200	>200	1.5	0.5	1.0	
						OPERATIONAL TOTAL			
ENVIRONMENTAL									
% DEVELOPMENT	0%	0-30%	30-60%	60-90%	100%	0.5	0.3	0.2	
TYPE OF DEVELOPMENT NEAR INTERSECTION	UNDEVELOPED	RESIDENTIAL	½ RESIDENTIAL AND/OR COMMERCIAL	INDUSTRIAL OR COMMERCIAL	STRIP INDUSTRY OR COMMERCIAL	0.5	0.3	0.2	
LIGHTING IN IMMEDIATE VICINITY	NONE	0-40%	41-60%	61-80%	CONTINUOUS	3.0	1.5	1.5	
CRIME RATE	EXTREMELY LOW	LOWER THAN CITY AVERAGE	CITY AVERAGE	HIGHER THAN CITY AVERAGE	EXTREMELY HIGH	1.0	0.5	0.5	
						ENVIRONMENTAL TOTAL			
		GEOMETRIC TOTAL = _____ OPERATIONAL TOTAL = _____ ENVIRONMENTAL TOTAL = _____ SUM = _____ POINTS WARRANTING CONDITION = 50 POINTS							

